

METHODS FOR REGULATING BETA-OXIDATION IN PLANTS

ABSTRACT OF THE DISCLOSURE

The invention relates to the genetic manipulation of plants to increase oil accumulation in plant tissues, particularly seeds. Methods for decreasing β -oxidation in plants and optimizing oil accumulation in seeds are provided. The methods find use in increasing the accumulation of oil or particular oil constituents in plant seeds. Isolated nucleotide molecules, isolated proteins, expression cassettes and transformed plants, plant tissues and plant cells are additionally provided.